

Abstract

A winder for winding a web to produce a rolled product is provided. The winder includes a web transport apparatus that is used for conveying the web. Also included in one exemplary embodiment is a plurality of independent winding modules. The winding modules are independently positioned to independently engage the web as the web is conveyed by the web transport apparatus. The winding modules may be configured to wind the web to form a rolled product by center winding, surface winding, and combinations of center and surface winding. The winding modules are structurally and operationally independent of one another where if one module is disabled, another may still operate to produce the rolled product without shutting down the winder.
